# *T254 GFS EnKF*

## http://ruc.noaa.gov/hfip/gfsenkf

Stamp plots show forecasts from a 20-member ensemble forecast with the NCEP GFS model run with a spectral truncation of T254 (~52 km grid spacing).  Each of the ensemble members is initialized from a Ensemble Kalman Filter (EnKF) data assimilation system (similar to that described Whitaker et al. 2008 (Monthly Weather Review, pp 463-482,) but using all operationally assimilated observations including satellite radiances and tropical cyclone central pressure.    The 21st panel is a single deterministic forecast initialized from the ensemble mean EnKF analysis. The 22nd panel shows the current operational GFS forecast, which is run at T382 resolution (~35 km) and will be changing to T574 (~23 km) in August 2010. This GFS deterministic run is initialized from the operational GSI 3DVar analysis system.  The EnKF-based forecasts use the pre-operational version of the T574 GFS slated to become operational in August 2010.
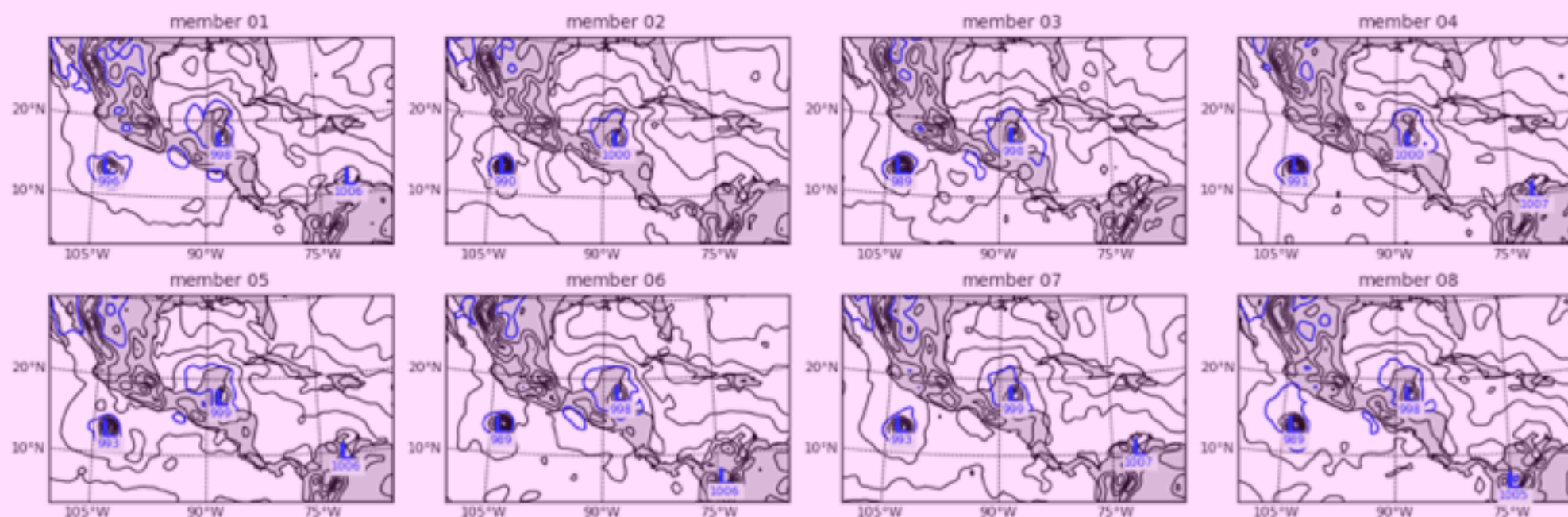
current DTG (YYYYMMDDHH) and TC

clickable buttons

GFS EnKF for: 2010062700 Current Stm: 01L

| 01L | 04E | 05E | 90S | 90W | 93L | 94L | 99B | ATL | EPAC | WPAC | | | | RESET | doc... | Links... |

| 2010062700 | 2010062612 | 2010062600 |

| mslp | 00 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 |
| wind | 00 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 |

T254 GFS/EnKF MSLP ens 00-hr fcst for 01L from 2010062700

member 01    member 02    member 03    member 04

member 05    member 06    member 07    member 08

product/plot:
mslp - sea-level pressure
wind - 0 m (surface) wind

Monday, June 28, 2010

TCs and basins (ATL, EPAC, WPAC for current DTG (2010062700)
➡ clicking on TC/basin button sets page to product/taus

GFS EnKF for: 2010062700 Current Stm: 01L

| 01L | 04E | 05E | 90S | 90W | 93L | 94L | 99B | ATL | EPAC | WPAC |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|

| 2010062700 | 2010062612 | 2010062600 | | | | | |

| | mslp | 00 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 |
| | wind | 00 | 12 | 24 | 36 | 48 | 60 | 72 | 84 | 96 | 108 | 120 |

product & taus (forecast times) for current TC/basin (01L) and current DTG (2010062700)
➡ click on tau buttons to bring up product plot
➡ mslp - sea-level pressure
➡ wind - 10 m sfc wind

DTGs for current TC (01L - ALEX)
➡ red is current DTG
➡ click on DTG button resets TC buttons to storms for that DTG

Monday, June 28, 2010